

Title (en)

FLOW PASSAGE SWITCHING VALVE UNIT FOR ENDOSCOPE, AND ENDOSCOPE

Title (de)

DURCHFLUSSWEG-SCHALTVENTILEINHEIT FÜR EIN ENDOSKOP UND ENDOSKOP

Title (fr)

UNITÉ DE VALVE DE COMMUTATION DE PASSAGE D'ÉCOULEMENT POUR ENDOSCOPE, ET ENDOSCOPE

Publication

**EP 2923628 A4 20161026 (EN)**

Application

**EP 13856615 A 20131113**

Priority

- JP 2012255561 A 20121121
- JP 2013080619 W 20131113

Abstract (en)

[origin: US2015011831A1] In an endoscopic fluid passage changeover valve unit, a communication passage is formed in a shaft, the communication passage being opened to a hollow portion of a cylinder portion in an inside opening located on an outer peripheral surface of the shaft, and a seal member is provided at an angular position apart from the inside opening in circumferential directions of the cylinder portion. The shaft and the seal member are rotatable relative to the cylinder portion around a movement axis toward a position where a first upstream-side fluid passage is blocked by the seal member and toward a position where the inside opening of the communication passage faces the first upstream-side fluid passage.

IPC 8 full level

**A61B 1/00** (2006.01)

CPC (source: CN EP US)

**A61B 1/00068** (2013.01 - CN EP US); **A61B 1/00091** (2013.01 - US); **A61B 1/00114** (2013.01 - US); **A61B 1/00128** (2013.01 - US); **A61B 1/015** (2013.01 - US); **A61B 1/05** (2013.01 - US); **A61B 1/07** (2013.01 - US); **A61B 1/00091** (2013.01 - CN); **A61B 1/00114** (2013.01 - CN); **A61B 1/00128** (2013.01 - CN); **A61B 1/015** (2013.01 - CN); **A61B 1/05** (2013.01 - CN); **A61B 1/07** (2013.01 - CN)

Citation (search report)

- [Y] JP 2003305003 A 20031028 - PENTAX CORP
- [Y] US 4527551 A 19850709 - ISHII FUMIAKI [JP]
- See references of WO 2014080807A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 2015011831 A1 20150108**; **US 9307890 B2 20160412**; CN 104684453 A 20150603; CN 104684453 B 20161109; EP 2923628 A1 20150930; EP 2923628 A4 20161026; JP 5678238 B2 20150225; JP WO2014080807 A1 20170105; WO 2014080807 A1 20140530

DOCDB simple family (application)

**US 201414326162 A 20140708**; CN 201380051292 A 20131113; EP 13856615 A 20131113; JP 2013080619 W 20131113; JP 2014528755 A 20131113